

PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 7 :
B65D 51/14, 41/04

A1

(11) International Publication Number:

WO 00/56622

(43) International Publication Date: 28 September 2000 (28.09.00)

(21) International Application Number: PCT/DK00/00121

(22) International Filing Date: 17 March 2000 (17.03.00)

(30) Priority Data:
PA 1999 00393 18 March 1999 (18.03.99) DK
PA 1999 01665 19 November 1999 (19.11.99) DK

(71)(72) Applicant and Inventor: JOHNSEN, Lars [DK/DK];
Storegade 38, DK-6880 Tarm (DK).

(74) Agent: HOFMAN-BANG A/S; Rymsgade 3, P.O. Box 5020,
DK-8100 Aarhus C. (DK).

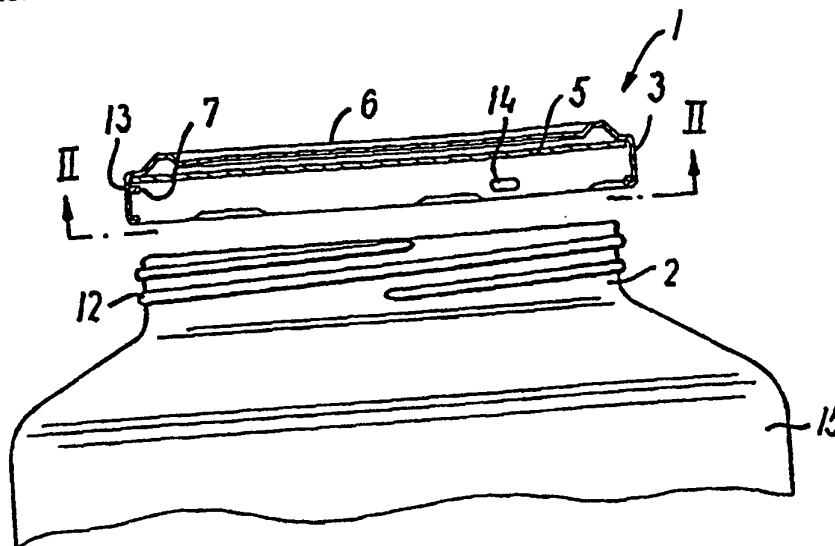
(81) Designated States: AE, AL, AM, AT, AT (Utility model), AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, CZ (Utility model), DE, DE (Utility model), DK, DK (Utility model), DM, EE, EE (Utility model), ES, FI, FI (Utility model), GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK (Utility model), SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published

With international search report.

Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

(54) Title: A LID FOR CLOSING A CONTAINER



(57) Abstract

The invention relates to a lid (1) and a method of opening the lid which is used for closing a container (15) having means on the inner side of screwing on to the neck (2) of a container. Internally, the lid has an inner lid (5) which is secured in the lid (1) by at least one securing means. The object of the invention is to provide a lid which is easy to open without using a great force or by using a tool, and which may simultaneously be disposed of without significant environmental impact. This is achieved by a lid (1) whose collar (3) has at least one projection (13) which points radially toward the centre and which extends from the inner side of the collar (3), wherein, during unscrewing of the lid (1), the projection (13) presses the edge of the inner lid (5) at least at one point out of contact with the upper edge of the package neck. This ensures venting of the volume of the container with a relatively weak torque. By just affecting the inner lid (5) at a single point in an upward direction, the force required for creating venting will be greatly reduced.